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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

|                        |                   |
|------------------------|-------------------|
| Application Number     | 10/707,588        |
| Filing Date            | December 23, 2003 |
| First Named Inventor   | Tesfai et al.     |
| Art Unit               | 2634              |
| Examiner Name          | Stephen Chin      |
| Attorney Docket Number | COG-2-0980.02.US  |

Total Number of Pages in This Submission

**ENCLOSURES (Check all that apply)**

- |  |   |   |
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| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> After Allowance communication to Technology Center (TC)        |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers                                       | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                     | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application               | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Terminal Disclaimer  | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Request for Refund   | Form PTO-1449   |
| <input checked="" type="checkbox"/> Information Disclosure Statement         | <input type="checkbox"/> CD, Number of CD(s) _____                                      |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | Remarks   |   |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application    |   |   |
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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                         |                    |                 |
|-------------------------|--------------------|-----------------|
| Firm or Individual name | Anthony L. Venezia | Reg. No. 48,382 |
| Signature               |                    |                 |
| Date                    | January 10, 2006   |                 |

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Tesfai et al.

**Application No.:** 10/707,588

**Confirmation No.:** 1587

**Filed:** December 23, 2003

**For:** SYSTEM AND METHOD FOR JOINT  
MAXIMAL RATIO COMBINING USING  
TIME-DOMAIN BASED SIGNAL  
PROCESSING

**Group:** 2634

**Examiner:** Stephen Chin

**Our File:** COG-2-0980.02.US

**Date:** January 10, 2006

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (\*).

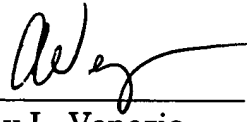
Pursuant to 37 C.F.R. §1.98(a)(2)(ii), copies of the cited U.S. publications and/or patent documents have not been included.

**Applicant:** Tesfai et al.  
**Application No.:** 10/707,588

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

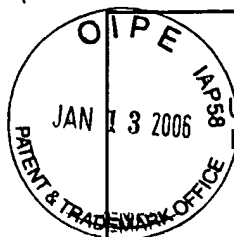
Respectfully submitted,

Tesfai et al.

By   
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Enclosures (2)



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.  
COG-2-0980.02.USSERIAL NO.  
10/707,588APPLICANT  
Tsfai et alFILING DATE  
December 23, 2003GROUP  
2634

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | NAME              | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|-----------------|---------|-------------------|-------|----------|-------------------------------|
|                     | 4,121,221       | 10/1978 | Meadows           |       |          |                               |
|                     | 4,599,734       | 07/1986 | Yamamoto          |       |          |                               |
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|                     | 6,044,120       | 03/2000 | Bar-David et al.  |       |          |                               |
| EXAMINER            |                 |         | DATE CONSIDERED   |       |          |                               |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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|  |  |                 |         | APPLICANT<br>Tesfai et al            |       |                          |                               |
|  |  |                 |         | FILING DATE<br>December 23, 2002     |       | GROUP<br>2634            |                               |
| U.S. PATENT DOCUMENTS  |  |                 |         |                                      |       |                          |                               |
| EXAMINER<br>INITIAL  |  | DOCUMENT NUMBER | DATE    | NAME                                 | CLASS | SUBCLASS                 | FILING DATE IF<br>APPROPRIATE |
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|  |  | 6,091,934       | 07/2000 | Berman et al.                        |       |                          |                               |
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| EXAMINER<br>INITIAL   |   | DOCUMENT NUMBER | DATE    | NAME               | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|                       | * | 5,854,611       | 12/1998 | Gans et al.        |       |          |                               |
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|                          |  | DOCUMENT NUMBER | DATE    | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|                          |  |                 |         |         |       |          | YES         | NO |
|                          |  | 01/45300        | 06/2001 | WO      |       |          |             |    |
|                          |  | 02/03568        | 01/2002 | WO      |       |          |             |    |

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|  |  | Lee et al., "Antenna Diversity for an OFDM System in a Fading Channel", Proceeding of IEEE MILCOM 1999, November 1999, pp. 1104-1109.                                |
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|  |  | APPLICANT<br>Tesfai et al  |                          |
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